

Thalestris peltata (Boeck).

- Fig. 11. Female, seen from above, $\times 80$. 12. Antennule of male, $\times 253$.
13. Antenna (female), $\times 380$. 14. Mandible, $\times 253$. 15. Anterior foot-jaw, $\times 380$.

PLATE XVI.

Thalestris peltata (Boeck).

- Fig. 1. Antennule of female, $\times 253$. 2. Posterior foot-jaw, $\times 253$.
3. Foot of first pair of swimming-feet, $\times 380$. 4. Foot of fourth pair, $\times 126$. 5. Foot of second pair (male), $\times 168$. 6. Foot of fifth pair (female), $\times 380$. 7. Foot of fifth pair (male), $\times 253$. 8. Abdomen and caudal stylets, $\times 168$.

(?) *Enterocola Beaumonti*, sp. n.

- Fig. 9. Posterior foot-jaw, $\times 380$.

Alcyonicola fusiformis, gen. et sp. n.

- Fig. 10. Antennule, $\times 760$. 11. Antenna, $\times 380$. 12. Foot of first pair, $\times 380$. 13. Foot of second pair, $\times 380$. 14. Mouth.

PLATE XVII.

Lomanotocola insolens, gen. et sp. n.

- Fig. 1. Female, seen from below, $\times 250$. 2. *Lomanotus*, with parasite *in situ*, $\times 10$.

(?) *Enterocola hibernica*, sp. n.

- Fig. 3. Female, dorsal view, $\times 10$. 4. Ditto, side view, $\times 12$. 5. Antennule, $\times 380$. 6. Antenna, $\times 380$. 7. Posterior foot-jaw, $\times 380$. 8. Foot of fourth pair of swimming-feet, $\times 380$.

(?) *Enterocola Beaumonti*, sp. n.

- Fig. 9. Female, dorsal view, $\times 26$. 10. Ditto, seen from the side, $\times 26$.
11. Antennule, $\times 380$. 12. Antenna, $\times 380$.

Alcyonicola fusiformis, gen. et sp. n.

- Fig. 13. Dorsal view, $\times 40$.

Dermatomyzon gibberum, T. & A. Scott.

- Fig. 14. Female, dorsal view, $\times 70$.

XLVIII.—*Descriptions of Five new Species of Land-Shells from New Guinea.* By EDGAR A. SMITH.

[Plate XX.]

THE species described in this paper were collected in German New Guinea in the neighbourhood of Constantin Hafen, on

the north-east coast. The remaining species figured on the accompanying plate are also from New Guinea, and were described in the Ann. & Mag. Nat. Hist. 1895, vol. xv. pp. 230-233.

1. *Nanina amblytropis*, Smith. (Pl. XX. figs. 5, 6.)

Nanina amblytropis, Smith, Ann. & Mag. Nat. Hist. 1895, vol. xv. p. 230.

2. *Nanina lissorhappe*, Smith. (Pl. XX. figs. 1, 2.)

Nanina lissorhappe, Smith, *op. cit.* p. 230.

3. *Rhysota Armiti*, Smith. (Pl. XX. figs. 3, 4.)

Rhysota Armiti, Smith, *op. cit.* p. 231.

4. *Helix (Hadra) stiophora*, Smith.
(Pl. XX. fig. 9.)

Helix (Hadra) stiophora, Smith, *op. cit.* p. 231.

5. *Helix (Dorcasia) subplicifera*, Smith.
(Pl. XX. fig. 12.)

Helix (Dorcasia) subplicifera, Smith, *op. cit.* p. 232.

6. *Helix (Chloritis) ephamilla*, Smith.
(Pl. XX. fig. 10.)

Helix (Chloritis) ephamilla, Smith, *op. cit.* p. 232.

7. *Helix (Chloritis) perambigua*, Smith.
(Pl. XX. fig. 11.)

Helix (Chloritis) perambigua, Smith, *op. cit.* p. 233.

8. *Helix (Cristagibba) Musgravei*, Smith.
(Pl. XX. figs. 13-15.)

Helix (Cristagibba) Musgravei, Smith, *op. cit.* p. 233.

9. *Nanina juvenis*. (Pl. XX. figs. 7, 8.)

Testa parva, depressa, acute carinata, anguste perforata, tenuis, subpellucida, cornea, supra vix nitens, infra polita; spira brevis, leviter convexuscula, ad apicem obtusa; anfractus quinque, lente regulariter accrescentes, plano-convexi, apicales duo radiatim, rugose et minute striati, cæteri striis incrementi obliquis arcuatis tenuibus sculpti, lineis spiralibus paucis obsolete decussati, ultimus supra medium acute carinatus, supra et infra carinam compressus, inferne convexus, nitens, incrementi lineis substriatus; sutura distincta, carina marginata; apertura oblique lunata, ad

carinam angulata ; peristoma tenue, marginibus distantibus, columellari leviter incrassato, ad insertionem breviter reflexo, perforationem semiobtegente.

Diam. maj. 10 millim., min. 9, alt. 5.

The specimen here described may not represent the full dimensions attained by this species. It does not, however, appear to be the young state of any of the known forms.

10. *Helix (Coliolum) Canefriana*. (Pl. XX. fig. 16.)

Testa anguste umbilicata, depresso trochiformis, ad peripheriam carinata, supra rufo-fusca, infra pallidior vel olivaceo-fusca, epidermide fugaci fibrata, fuscescente induta et laciniata ; spira concave conica, mediocriter elata, ad apicem mamillata ; anfractus octo, lente accrescentes, tres superiores convexiusculi, spiraliter tenuissime striati, cæteri minus convexi, striis obliquis validis arcuatis sculpti, in medio et ad suturam epidermide laciniato ornati, ultimus subacute carinatus, supra et infra æqualiter convexus, sed inferne lævior, striis tenuioribus sculptus, antice descendens ; apertura purpureo-fusca ; peristoma continuum, pallidum, leviter incrassatum, supra angulatum, haud reflexum, margine inferiore anguste expanso et reflexo.

Diam. maj. $18\frac{1}{2}$ millim., min. $16\frac{1}{2}$, alt. 11.

This interesting species is very distinct from all the forms at present known from the island. It agrees with the type of the section *Coliolum*, *C. arfakiensis*, Canefri, in having the upper whorls spirally striate and the rest roughly striate ; the epidermis is fringed at the middle and base of the whorls, the apex is mamillated, and the form and character of the peristome are the same. The present species, named in remembrance of the late Dr. C. Tapparone Canefri, has a much less elevated spire and a more acute peripheral keel than *C. arfakiensis*.

11. *Pupina nasuta*. (Pl. XX. fig. 18.)

Testa ovata, obliqua, superne acuminata, rufescenti-cornea, subpellucida, polita ; anfractus 5, convexi, sutura rufo-lineata sejuncti, penultimus magnus, paulo inflatus, ultimus pone oblique descendens ; apertura fere circularis, rufescens ; peristoma paulo incrassatum, pallido-rufo marginatum, antice leviter effusum, margine columellari supra producto, curvato, infra ad canalem prominente, nasuto ; sinus posticus mediocris ; fissura columellaris angustissima, obliqua, extra sinum amentiformem formans.

Longit. 7 millim., diam. $4\frac{1}{2}$; apertura intus $2\frac{1}{2}$.

In this species the anterior slit is situated considerably below the middle of the aperture.

12. *Pupinella Fultoni*. (Pl. XX. fig. 17.)

Testa imperforata, oblongo-ovata, superne acuminata, pallide fuscescens vel sordide flavescens, haud nitida, oblique tenuiter striata; anfractus 6-6½, convexiusculi, penultimus paulo inflatus, ultimus pone oblique descendens, ad labrum breviter ascendens, supra aperturam vix planatus; apertura fere circularis, intus sordide albida; peristoma extra incrassatum, albo-fuscescens; fissura columellaris obliqua, angustissima, extra sinum irregulariter rotundatum formans.

Longit. 14 millim., diam. 7; apertura intus 4 lata.

In form this species agrees with *Bellardiella Martensiana*, Canefri (Ann. Mus. Civ. Genova, 1883, vol. xix. pl. x. figs. 20, 21). The unclosed columellar slit, the absence of an umbilicus, and the smaller size serve to separate this species.

13. *Helicina papuana*. (Pl. XX. fig. 19.)

Testa parva, depresso trochiformis, acute carinata, pallide flavescens; spira subconvexe conoidea, ad apicem submucronata; anfractus 4½, apicalis convexus, laevis, cæteri subceleriter crescentes, planiusculi, lineis incrementi obliquis arcuatis tenuibus striati, ultimus carina compressa acuta circumdatus, infra convexus, radiatim striatus; apertura obliqua, intus flavescens; labrum album, anguste expansum, margine inferiore ad columellam subdentato; callus basalis pellucidus.

Diam. maj. 7 millim., min. 6, alt. 4½.

The keel around the body-whorl is faintly tinted with a pale flesh-colour. Besides the lines of growth, indistinct spiral striæ or scratches are discernible on the upper and lower surfaces.

EXPLANATION OF PLATE XX.

Figs. 1, 2. *Nanina lissorhaphæ*.

Figs. 3, 4. *Rhysota Armiti*.

Figs. 5, 6. *Nanina amblytropis*.

Figs. 7, 8. *Nanina juvenis*.

Fig. 9. *Helix (Hadra) stirophora*.

Fig. 10. *Helix (Chloritis) ephamilla*.

Fig. 11. *Helix (Chloritis) perambigua*.

Fig. 12. *Helix (Dorcasia) subplicifera*.

Figs. 13, 14, 15. *Helix (Cristagibba) Musgravei*.

Fig. 16. *Helix (Coliolus) Canefriana*.

Fig. 17. *Pupinella Fultoni*.

Fig. 18. *Pupina nasuta*.

Fig. 19. *Helicina papuana*.